**FORM PTO-1449** 

U.S. DEPARTMENT OF COMMERCE

**OFFICE** 

PATENT AND TRADEMARK

ATTY. DOCKET NO. APPLICATION NO. AAC/1 CIP 09/972,163 **CONFIRMATION APPLICANT** Donald F. Albert et al. NO. 5897 **FILING DATE GROUP** 

1771

**INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

October 4, 2001

**U.S. PATENT DOCUMENTS** 

		0.5.	PATENT DOCUMEN	412		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF DAPPEOPRIATE
HV	2,680,696	06/08/54	Broge			TEUFIVEN
1	4,239,567	12/16/80	Winings			JAN 2 8 2002 TC 1700
	4,243,717	01/06/81	Gahmig			0 7002
	4,402,927	09/06/83	von Dardel et al.			IC 1700
	4,610,863	09/09/86	Tewari et al.			7700
	4,832,881	05/23/89	Arnold, Jr., et al.			
	4,873,218	10/10/89	Pekala			
	4,997,706	03/05/91	Smits et al.			
	5,190,987	03/02/93	Parkinson			
	5,229,429	07/20/93	Hahn et al.			
	5,358,802	10/25/94	Mayer et al.			
	5,420,168	05/30/95	Mayer et al.			
	5,476,878	12/19/95	Pekala			
	5,538,931	07/23/96	Heinrichs et al.			
	5,525,643	06/11/96	Macip-Boulis et al.			
	5,529,971	06/25/96	Kaschmitter et al.			
	5,556,892	09/17/96	Pekala			
	5,565,142	10/15/96	Deshpande et al.			
	5,654,345	08/05/97	Grinshpun et al.			
	5,686,031	11/ 11/97	Coronado et al.			
	5,744,510	04/28/98	Pekala			
	5,795,557	08/18/98	Pajonk et al.			
	5,811,031	09/22/98	Jansen et al.			
	5,851,947	12/22/98	Hair et al.			
	5,869,544	02/09/99	Shmidt et al.			
	5,889,071	03/30/99	Biesmans et al.			
	5,945,084	08/31/99	Droege			
	5,958,363	09/28/99	Coronado			
	5,958,589	09/28/99	Glenn et al.	ļ		\
	6,077,876	06/20/00	Mendenhall et al.			
th/	6,121,337	09/19/00	Hammel et al.	<u></u>		

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Sheet 2 of 3 APPLICATION NO. U.S. DEPARTMENT OF ATTY, DOCKET NO. **FORM PTO-1449** 09/972.163 AAC/1 CIP COMMERCE PATENT AND TRADEMARK-CONFIRMATION **APPLICANT** OFFICE Donald F. Albert et al. NO. 5897 INFORMATION DISCLOSURE **GROUP FILING DATE** STATEMENT BY APPLICANT October 4, 2001 W 6,147,134 11/14/00 Eling ih 02/13/01 Miller et al. 6,187,831 FOREIGN PATENT DOCUMENTS **EXAMINER** DOCUMENT **COUNTRY CLASS SUBCLASS** DATE INITIAL NUMBER YES NO ₩ B01J 1/22 Х FR 2,230,406 A 12/12/74 France ł٧ 35/00 X Abstract 04/03/90 Japan **C04B** JP 02092860 only 13/00 Х 07/01/99 PCT B01J WO 99/32218 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER INITIAL Lawrence Livermore National Labs Materials, Science Bulletin UCRL-TB-117598-37. Materials Research Society Bulletin, vol. 15, no. 12 (December 1990). G. Carlson et al., "Aerogel Commercialization: Technology, Markets, and Costs," Journal of Non-Crystalline Solids, 186, pp. 372-379 (1995). H.-P. Ebert et al., "The Hot-Wire Method Applied to Porous Materials of Low Thermal Conductivity," High Temperature-High Pressures, 25, pp. 391-402, 13th ECTP Proceedings pp 219-230 (1993). S. Hæreid and M.-A. Einarsrud, "Mechanical Strengthening of TMOS-Based Alcogels by Aging in Silane Solutions," Journal of Sol-Gel Science and Technology, 3, pp. 199-204 (1994). L.W. Hrubesh and R.W. Pekala, "Thermal Properties of Organic and Inorganic Aerogels," Journal of Materials Research, 9(3), pp. 731-738 (1994). X. Lu et al., "Thermal and Electrical Conductivity of Monolithic Carbon Aerogels," Journal of Applied Physics, 73(2), pp. 581-584 (1993). H.-S. Ma et al., "Mechanical Structure-Property Relationship of Aerogels," Journal of Non-Crystalline Solids, 277, pp. 127-141 (2000). R.W. Pekala et al., "Organic Aerogels: Microstructural Dependence of Mechanical Properties in Compression," Journal of Non-Crystalline Solids, 125, pp. 67-75 (1990). S.S. Prakash et al., "Silica Aerogel Films Prepared at Ambient Pressure by Using Surface Derivatization to Induce Reversible Drying Shrinkage," Nature, 374, pp. 439-443 (1995). M. Prassas et al., "Synthesis of Monolithic Silica Gels by Hypercritical Solvent Evacuation," Journal of Materials Science, 19, pp. 1656-1665 (1984). G.C. Ruben et al., "High-Resolution Transmission Electron Microscopy Nanostructure of Condensed-Silica Aerogels," Journal of Non-Crystalline Solids, 186, pp. 209-218 (1995).

**EXAMINER** 

Kai V:

219-231 (1995).

DATE CONSIDERED

08/12/03

G.C. Ruben and R.W. Pekala, "High-Resolution Transmission Electron Microscopy of the Nanostructure of Melamine-Formaldehyde Aerogels," Journal of Non-Crystalline Solids, 186, pp.

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**FORM PTO-1449** 

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FILING DATE October 4, 2001

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
EXAMINER INITIAL	
₩	G.W. Scherer, "Stress Development During Supercritical Drying," Journal of Non-Crystalline Solids, 145, pp. 33-40 (1992).
H	H. Tamon et al., "Porous Structure of Organic and Carbon Aerogels Synthesized by Sol-Gel Polycondensation of Resorcinol with Formaldehyde," Carbon, 35, pp. 791-796 (1997).

**EXAMINER** 

Kai Vo

DATE CONSIDERED

08/12/03